

**Figure 1A** LCM, RNA isolation and amount of cDNA after 2 rounds of T7 amplification

	Case 1		Case 2		Case 3		Case 4		Case 5	
	Normal	Cancer	Normal	Cancer	Normal	Cancer	Normal	Cancer	Normal	Cancer
Number of LCM shots	48,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
Approx # of cells	200,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
Approx amt of RNA used for T7 amp	100ng	75ng	100ng	120ng	100ng	115ng	100ng	100ng	100ng	100ng
ds-cDNA amt after 2 rounds of T7 amp	8.75ug	5.88ug	1.56ug	6.88ug	2.5ug	2.97ug	23.5ug	6.0ug	17.74ug	23.13ug

Amount of ds-cDNA after 2 rounds of T7 amplification is dependent on the quality of the LCM-generated RNA from the normal and tumor tissues

**Figure 1B** Percent transcripts detected in normal and tumor tissues

	Case 1		Case 2		Case 3		Case 4		Case 5	
	Normal	Cancer	Normal	Cancer	Normal	Cancer	Normal	Cancer	Normal	Cancer
% Genes detected	25.8	30.3	30.3	33.0	29.4	30.3	35.3	35.8	40.3	40.2

Figure 2A: 39 Genes whose expression changed in 5/5 cases

Accession Number	Name	Chromosome Localization	Oral Cancer Association	References
<b>Increase in Tumor</b>				
D86983	p53-responsive gene 2	2pter-p25.1	Yes	(Yeudall et al., 1997)
J03040	Secreted protein, acidic, cysteine-rich, osteonectin	5q31.3-q32	Yes	(Porte et al., 1998)
M11147	Ferritin, light polypeptide	19q13.3-q13.4	Yes	(Kimura et al., 2000)
X12451	Cathepsin L	9q21-q22	Yes	(Kawamata et al., 1997; Strojjan et al., 2000)
X17042	Proteoglycan 1, secretory granule	10q22.1		
X54925	Matrix metalloproteinase 1 (interstitial collagenase)	11q22.3	Yes	(Magary et al., 2000)
Z29083	5T4 oncofetal trophoblast glycoprotein	6		
D43968	Runt-related transcription factor 1 (acute myeloid leukemia 1)	21q22.23		
X02761	Fibronectin 1	2q34	Yes	(Mighell et al., 1997)
Z74616	Collagen, type I, alpha 2	7q22.1		
X57579	Inhibin, beta A (activin A, activin AB alpha polypeptide)	7p15-p13		
M30257	Vascular cell adhesion molecule 1	1p32-p31	Yes	(Liu et al., 1999)
M55998	Human alpha-1 collagen type I gene,	N/A		
X65965	Superoxide dismutase 2, mitochondrial	6q25.3	Yes	(Kurokawa et al., 1998; Muramatsu et al., 1995)
X54489	GRO1 oncogene (melanoma growth stimulating activity, alpha)	4q21	Yes	(Loukinova et al., 2000)
L13923	Fibrillin 1 (Marfan Syndrome)	15q21.1		
<b>Decrease in Tumor</b>	<b>Name</b>			
X78932	Zinc finger protein 273	N/A		
J04469	Creatine kinase, mitochondrial 1 (ubiquitous)	15q15	Yes	(Lin & Chen, 1991)
L05779	Epoxide hydrolase 2, cytoplasmic	8p21-p12	Yes	(Janot et al., 1993)
M32402	Placental protein 11 (serine proteinase)	12q13.1		
M69177	Monoamine oxidase B	Xp11.4-p11.3		

M98447	Transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	14q11.2	Yes	(Shin et al., 1994)
U17077	BENE protein	2q13		
U34252	Aldehyde dehydrogenase 9 (gamma-aminobutyraldehyde dehydrogenase, E3 isozyme)	1q22-q23		

Decrease in Tumor	Name			
(Cont)				
U46689	Aldehyde dehydrogenase 10 (fatty aldehyde dehydrogenase)	17p11.2		
U67963	Lysophospholipase-like	3		
U83115	Absent in melanoma 1	6q21		
U90902	Human clone 23612	N/A		
X07695	Keratin 4	12q13	Yes	(Suo et al., 1993)
X07696	Keratin 15	17q21	Yes	(Viaene & Baert, 1995)
X76029	Neuromedin U	4q12		
X76180	Sodium channel, nonvoltage-gated 1 alpha	12p13		
X78549	Protein tyrosine kinase 6	20q13.3		
Y09267	Flavin containing monooxygenase 2	1q23-q251		
Y09616	Carboxylesterase 2 (intestine, liver)	16		
Y07909	Epithelial membrane protein 1	12p12.3		
X53296	Interleukin 1 receptor antagonist	2q14.2	Yes	(von Biberstein et al., 1996)
M61855	Cytochrome P450, subfamily I1C (mephenytoin4-hydroxylase), polypeptide 9	10q24	Yes	(Murray et al., 1994)
U18934	TYRO3 protein tyrosine kinase	15q15.1-q21.1		

**Figure 2B: Representative sample of differentially regulated genes**

Accession Number	Description/Function	Chromosomal Location	Altered Regulation
<b>Metastatic/Invasion Pathway</b>			
X12451	Cathepsin-L	9q21-22	Up 5/5
X54925	Collagenase/MMP I	11q22.3	Up 5/5
X02419	UPA	10q24	Up 5/5
Z29083	5T4 Oncofetal protein	6q13-14	Up 5/5
<b>Transcriptional factors</b>			
D43968	Runt-related transcription factor/AML1	21q22	Up 5/5
U85658	ERF1 transcription factor	20q13.2	Down 4/5
<b>Onco-genes/suppressors</b>			
M57731	Gro-Beta Oncogene	4q12-13	Up 4/5
M16038	Lyn-tyrosine kinase (oncogene LYN)	8q13	Up 4/5
L13698	Gas-1	9q21.3-22.1	Up 4/5
Y07909	Tumour associated membrane protein (control cell-Cekk interactions & cell proliferation)	12p12.3	Down 5/5
X98311	CEA2 (onco-suppressor)	19q13.2	Down 5/5
M16750	PIM-1-oncogene	6p21.2	Down 4/5
U83115	AIM1 (onco-suppressor)	6q21	Down 4/5
<b>Differentiation Markers</b>			
X07695	Cytokeratin 4	12q13	Down 5/5
X07696	Cytokeratin 15	17q21	Down 5/5
M98447	Transglutaminase 1	14q11.2	Down 5/5
<b>Others</b>			
U37546	Apoptosis-inhibitor protein	11q22-23	Up 5/5
X76029	Neuromedin U	4q12	Down 5/5
S45630	Alpha-beta-crystallin/Rosenthal protein	11q22.3-23.1	Down 4/5
X78932	ZFP HZF9 (potent repressor)	19p12	Down 5/5
U47414	Cyclin G2 (cell cycle regulators)	4q21	Down 4/5

**Figure 2C UP REGULATED GENES**

Probe set	Description	Ave FC	Method*	T-test
X54925	MMP1, type I interstitial collagenase	429	G	0.093
X05232	MMP3, stromelysin-1	177	G	0.047
X57579	Activin $\beta$ -A subunit	146	G	0.066
U24577	LDL-phospholipase A2	133	G	0.003
X54489	Melanoma growth stimulatory activity	93	G M Gc	0.040
L23808	MMP12	70	G	0.060
X04602	Interleukin BSF-2	59	G	0.256
U20758	Osteopontin, SPP1	47	G	0.224
M21121	T cell-specific protein, RANTES	40	G	0.129
U09278	Fibroblast activation protein	39	G	0.087
X51441	Serum amyloid A, SAA	39	G	0.037
M63438	Immunoglobulin kappa variable 1D-8	35	G	0.071
Z19574	Cytokeratin 17	34	G	0.125
Z49194	Oct-binding factor	28	G Gc	0.081
U28488	Complement component 3a receptor 1	25	G	0.006
V00536	IFN- $\gamma$	24	G	0.150
X02761	Fibronectin	21	G	0.115
J03040	Osteonectin / SPARC	20	Gc	0.227
D55696	Cysteine protease	19	Gc	0.022
X52022	Collagen, type VI $\alpha$ 3	18	G	0.202
U89942	Lysyl oxidase-related protein	18	Gc G	0.082
M12759	Ig J chain	18	G	0.218
L13286	1,25-dihydroxyvitamin D3 24-hydroxylase	17	Gc G	0.052
X66867	Max	16	Gc	0.304
J05070	MMP9, type IV collagenase	16	G	0.287
M87789	IGHG3, Ig heavy constant $\gamma$ 3	16	G	0.102
X54867	NKG2, lectin-like receptor subfamily C	14	G	0.171
M13755	Interferon induced 17KDa/15KDa	13	G	0.052

\*G=GeneChip, M=Matlab, Gc=GeneCluster

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Figure 2D DOWN REGULATED GENES

Probe set	Description	Ave FC	Method*	T-test
X51420	Tyrosinase-related protein	0.06	M	0.202
X07695	Cytokeratin 4C	0.06	G M	0.002
U09578	MAPKAP kinase	0.08	M	0.238
Z84721	Globin, $\alpha$ and $\zeta$	0.08	M	0.036
M32402	Placental protein, PP11	0.10	G M	0.005
HG3884-HT4154	Homeotic Protein, Hpx-42	0.10	G	0.006
U85707	Leukemogenic homolog protein, MEIS1	0.10	G M	0.008
X76180	Ung amiloride sensitive Na <sup>+</sup> channel protein	0.10	G M	0.011
Y09267	Flavin-containing monooxygenase 2	0.10	M	0.036
X95240	Cysteine-rich secretory protein 3	0.10	M	0.141
X07696	Cytokeratin 15	0.11	G M	0.004
X76223	MAL, t cell differentiation protein	0.11	G M	0.041
U49114	Prohormone convertase 5 precursor, PC5	0.14	M	0.102
D13643	KIAA0018	0.14	Gc	0.001
U65932	Extracellular matrix protein 1, ECM1	0.14	M	0.048
M25079	Sickle cell $\beta$ -globin	0.14	M	0.085
M83186	Cytochrome c oxidase subunit VIIa	0.14	M	0.036
D00408	Cytochrome P-450, fetal liver	0.14	G M Gc	0.022
M27160	Tyrosinase, TYR	0.15	M	0.085
X87159	Epithelial amiloride-sensitive Na <sup>+</sup> channel, $\beta$	0.15	G	0.003
Y07909	Progression Associated Protein	0.15	M	0.004
X76029	Neuromedin U	0.15	G M Gc	0.000
D29958	KIAA0116	0.15	Gc	0.050
U06643	Keratinocyte lectin 14, HKL-14	0.15	M Gc	0.001
X53296	IRAP	0.16	G M	0.012
U15932	Protein phosphatase	0.16	M	0.045
HG4236-HT4506	Zinc Finger Protein, Znf138	0.16	G	0.079
D80010	KIAA0188	0.17	M	0.000

\*G=GeneChip, M=Matlab, Gc=GeneCluster

**Figure 3 Comparison of percent increases for 3 upregulated genes measured by GeneChip and Real-Time Quantitative PCR Data\***

Accession	Samples	1	2	3	4	5
	Gene	GC/RTQPCR	GC/RTQPCR	GC/RTQPCR	GC/RTQPCR	GC/RTQPCR
X54925	Collagenase	4300 / 1100	22900 / 36800	800 / 5500	49500 / 130000	7800 / 16500
X12451	Pro-cathepsin L	300 / 800	570 / 700	180 / 300	300 / 2800	300 / 400
X02419	UPA	400 / 100	440 / 800	150 / 3200	400 / 980	425 / 900

GC= Gene expression data

RT-QPCR= real time quantitative PCR

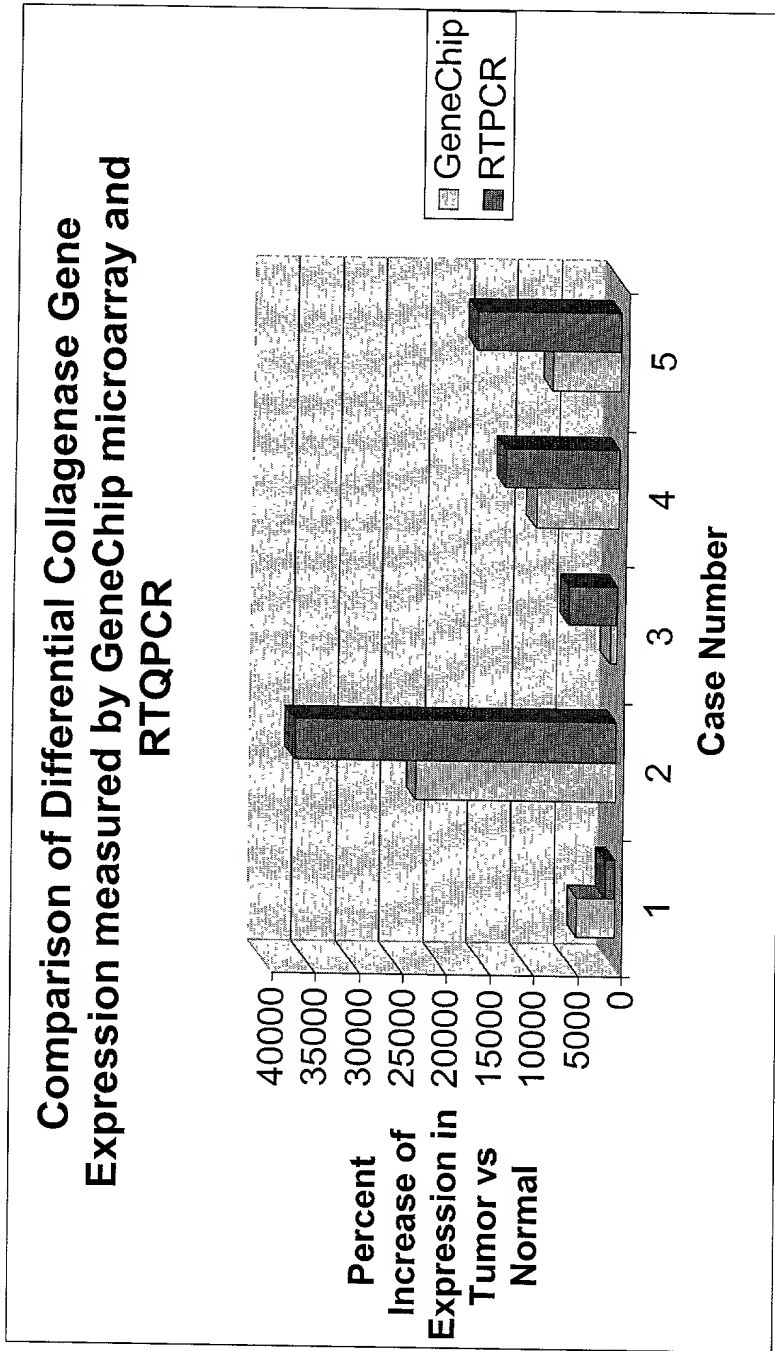
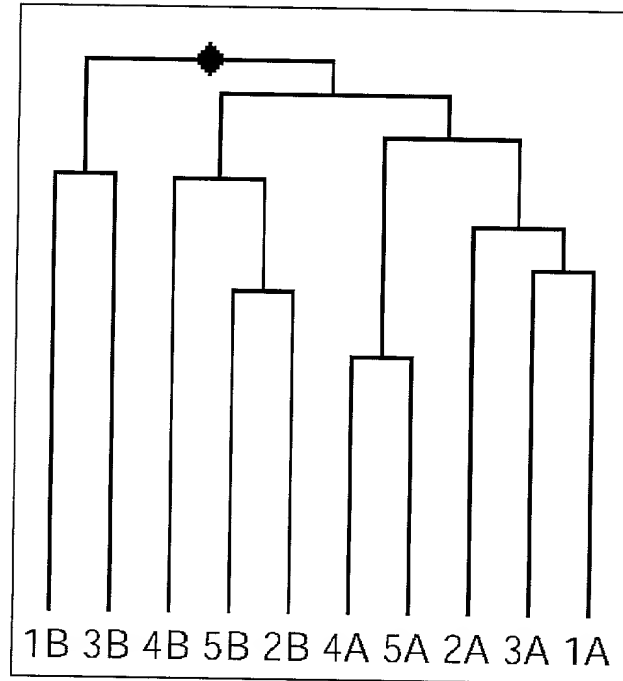


Figure 4





**Figure 6: Differentially Expressed Genes Identified by All 3 Methods**

Accession Number	Name	Expression Up/Down in Oral Cancer	Chromosome Localization	Oral Cancer Association	References
D00408	Cytochrome P450, subfamily IIIA polypeptide 7	See Comment 1	ND		
D13666	Osteoblast specific factor 2	Up in Cancer	13		
D42047	KIAA0089	Down in Cancer	3		
D43968	Runt-related transcription factor 1	Up in Cancer	21q22.3		
D84276	CD38 antigen (p45)	Up in Cancer	4p15		
HG3494-HT3688	Nuclear Protein IL6	Up in Cancer	ND	Yes	(Ondrey et al., 1999)
J03258	Vitamin D receptor	Down in Cancer	12q12-q14	Yes	(Lotan, 1997)
J03473	ADP-ribosyltransferase	Up in Cancer	1q41-q42		
J03909	Interferon, gamma inducible protein 30	Up in Cancer	19p13.1		
J04080	Complement component 1, s subcomponent	Up in Cancer	12p13		
M14200	Diazepam binding inhibitor	Down in Cancer	2q12-q21		
M15661	Ribosomal protein L36a	Down in Cancer	14		
M34309	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog3	Down in Cancer	12q13	Yes	(Shintani et al., 1995)
M69177	Monoamine oxidase B	Down in Cancer	Xp11.4-p11.3		
M81182	ATP-binding cassette, subfamily D	Down in Cancer	1p22-p21		
S45630	Crystallin, alpha B	Down in Cancer	11q22.3-q23.1		
U18934	TYRO3 protein tyrosine kinase	Down in Cancer	15q15.1-q21.1		
U34252	Aldehyde dehydrogenase 9	Down in Cancer	1q22-q23		
U46689	Aldehyde dehydrogenase 10	Down in Cancer	17p11.2		
U56814	Deoxyribonuclease I-like 3	Down in Cancer	3p21.1-p14.3		
X12451	Cathepsin L	Up in Cancer	9q21-q22	Yes	(Kawamata et al., 1997; Strojani et al., 2000)
X54489	GRO1 oncogene (MGSA)	Up in Cancer	4q21	Yes	(Loukinova et al., 2000)
X76029	Neuremedin U	Down in Cancer	4q12		
X78932	Zinc finger protein 273	Down in Cancer	ND		
X87241	FAT tumor suppressor	Up in Cancer	4q34-q35		
Y00815	Protein tyrosine phosphatase, receptor, type, F	Down in Cancer	1q34	Yes	
Z29083	5T4 oncofetal trophoblast glycoprotein	Up in Cancer	6		

## FIGURE 7

Probe Set	Description
AB000114_at	"AB000114, class A, 20 probes, 20 in AB000114 1818-2208, Human mRNA for osteomodulin, complete cds"
AB000115_at	"AB000115, class A, 20 probes, 20 in AB000115 1469-1973, Human mRNA, complete cds"
AC002115_cds1_at	"AC002115, class A, 20 probes, 16 in AC002115 mRNA#2 3349-7559; 4 not in GB record, COX6B gene (COXG) c"
AF008445_at	"AF008445, class A, 20 probes, 20 in AF008445 895-1387, Homo sapiens phospholipid scramblase mRNA, complete cds. /gb=AF008445 /ntype=RNA"
D00003_s_at	"D00003, class B, 12 probes, 12 in D00003 1681-1981, Human liver cytochrome P-450 mRNA, complete cds"
D00408_s_at	"D00408, class B, 11 probes, 11 in D00408 1373-1921, Human fetal liver cytochrome P-450 (P-450 HFLa), complete cds"
D11151_at	"D11151, class A, 20 probes, 20 in D11151 exon 1936-2434, Human DNA for endothelin-A receptor, 5' flanking region and"
D12775_s_at	"D12775, class A, 20 probes, 20 in D12775 3124-3662, Human mRNA for erythrocyte-specific AMP deaminase, complete cds"
D13644_at	"D13644, class A, 20 probes, 20 in D13644 4013-4523, Human mRNA for KIAA0019 gene, complete cds"
D13666_s_at	"D13666, class A, 20 probes, 20 in D13666 2630-3072, Homo sapiens mRNA for osteoblast specific factor 2 (OSF-2os)"
D14520_at	"D14520, class A, 20 probes, 20 in D14520 718-1258, Human mRNA for GC-Box binding protein BTEB2, complete cds"
D14658_at	"D14658, class A, 20 probes, 20 in D14658 859-1285, Human mRNA for KIAA0102 gene, complete cds"
D16217_at	"D16217, class A, 20 probes, 20 in D16217 1904-2414, Human mRNA for calpastatin, complete cds"
D21255_at	"D21255, class A, 20 probes, 20 in D21255 3362-3812, Human mRNA for OB-cadherin-2, complete cds"
D25304_at	"D25304, class A, 20 probes, 20 in D25304 4431-4701, Human mRNA for KIAA0006 gene, partial cds"
D28915_at	"D28915, class A, 20 probes, 16 in D28915 cds 1002-1272; 4 in reverseSequence, 114-186, Human gene for hepatitis C-associated microtubular aggregate protein p44"
D31883_at	"D31883, class A, 20 probes, 20 in D31883 6153-6711, Human mRNA for KIAA0059 gene, complete cds"
D31887_at	"D31887, class A, 20 probes, 20 in D31887 4050-4512, Human mRNA for KIAA0062 gene, partial cds"
D32129_f_at	"D32129, class A, 20 probes, 20 in D32129 920-1425, Human mRNA for HLA class-I (HLA-A26) heavy chain, complete cds (clone cMY-1)"
D38551_at	"D38551, class A, 20 probes, 20 in D38551 3082-3592, Human mRNA for KIAA0078 gene, complete cds"
D42047_at	"D42047, class A, 20 probes, 20 in D42047 3472-3970, Human mRNA for KIAA0089 gene, partial cds"
D42073_at	"D42073, class A, 20 probes, 20 in D42073 1551-2049, Human mRNA for reticulocalbin, complete cds"
D43636_at	"D43636, class A, 20 probes, 20 in D43636 3576-4080, Human mRNA for KIAA0096 gene, partial cds"
D43682_s_at	"D43682, class A, 20 probes, 20 in D43682 1584-2115, Human mRNA for very-long-chain acyl-CoA dehydrogenase (VLCAD), complete cds"
D43968_at	"D43968, class A, 20 probes, 20 in D43968 6790-7222, Human AML1 mRNA for AML1b protein (alternatively spliced product), complete cds"
D49387_at	"D49387, class A, 20 probes, 20 in D49387 401-917, Human mRNA for NADP dependent leukotriene b4 12-hydroxydehydrogenase, partial cds. /gb=D49387 /ntype=RNA"
D49489_at	"D49489, class A, 20 probes, 20 in D49489 1267-1759, Human mRNA for protein disulfide isomerase-related protein P5, complete cds"
D49950_at	"D49950, class A, 20 probes, 20 in D49950 495-918, Human Liver mRNA for interferon-gamma inducing factor (IGIF), complete cds"
D61391_at	"D61391, class A, 20 probes, 20 in D61391 1169-1685, Human mRNA for phosphoribosylpyrophosphate synthetase-associated protein 39, complete cds"
D79987_at	"D79987, class A, 20 probes, 20 in D79987 6109-6523, Human mRNA for KIAA0165 gene, complete cds"

D79990\_at "D79990, class A, 20 probes, 20 in D79990 5065-5383, Human mRNA for KIAA0168 gene, complete cds"  
 D79992\_at "D79992, class A, 20 probes, 20 in D79992 6597-6897, Human mRNA for KIAA0170 gene, complete cds"  
 D79994\_at "D79994, class A, 20 probes, 20 in D79994 4227-4749, Human mRNA for KIAA0172 gene, partial cds"  
 D80000\_at "D80000, class A, 20 probes, 20 in D80000 5250-5754, Human mRNA for KIAA0178 gene, partial cds"  
 D80010\_at "D80010, class A, 20 probes, 20 in D80010 4778-5198, Human mRNA for KIAA0188 gene, partial cds"  
 D83018\_at "D83018, class A, 20 probes, 20 in D83018 2645-3149, Human mRNA for nel-related protein 2, complete cds"  
 D84239\_at "D84239, class A, 20 probes, 20 in D84239 15949-16339, Human mRNA for IgG Fc binding protein, complete cds"  
 D84276\_at "D84276, class A, 20 probes, 18 in D84276 909-1185: 2 in reverseSequence, 1299-1305, Human mRNA for CD38, complete cds"  
 D85181\_at "D85181, class A, 20 probes, 20 in D85181 1502-2018, Human mRNA for fungal sterol-C5-desaturase homolog, complete cds"  
 D85429\_at "D85429, class A, 20 probes, 20 in D85429exon#3 813-1347, Human DNA for heat shock protein 40, complete cds"  
 D86956\_at "D86956, class A, 20 probes, 20 in D86956 3139-3589, Human mRNA for KIAA0201 gene, complete cds"  
 D86957\_at "D86957, class A, 20 probes, 20 in D86957 3869-4265, Human mRNA for KIAA0202 gene, partial cds"  
 D86959\_at "D86959, class A, 20 probes, 20 in D86959 5435-5867, Human mRNA for KIAA0204 gene, complete cds"  
 D86961\_at "D86961, class A, 20 probes, 20 in D86961 3678-4188, Human mRNA for KIAA0206 gene, partial cds"  
 D86974\_at "D86974, class A, 20 probes, 20 in D86974 5077-5308, Human mRNA for KIAA0220 gene, partial cds"  
 D86983\_at "D86983, class A, 20 probes, 20 in D86983 5131-5485, Human mRNA for KIAA0230 gene, partial cds"  
 D86985\_at "D86985, class A, 20 probes, 20 in D86985 5502-5946, Human mRNA for KIAA0232 gene, complete cds"  
 D87119\_at "D87119, class A, 20 probes, 20 in D87119 3614-4160, Human cancellous bone osteoblast mRNA for GS3955, complete cds"  
 D87258\_at "D87258, class A, 20 probes, 20 in D87258 1489-1999, Human cancellous bone osteoblast mRNA for serin protease with IGF-binding motif, complete cds"  
 D87445\_at "D87445, class A, 20 probes, 20 in D87445 6334-6892, Human mRNA for KIAA0256 gene, complete cds"  
 HG1428-HT1428\_s\_at "Globin, Beta"  
 HG1612-HT1612\_at Macmarcks  
 HG1686-HT4572\_s\_at "Transcription Factor E4tf1, Respiratory, Gamma 2 Subunit, Alt. Splice 4"  
 HG2090-HT2152\_s\_at "External Membrane Protein, 130 Kda"  
 HG2788-HT2896\_at Calcyclin  
 HG3431-HT3616\_s\_at "Decorin, Alt. Splice 1"  
 HG3494-HT3688\_at Nuclear Factor NF-IL6  
 HG3570-HT3773\_at Protein Phosphatase Inhibitor Homolog  
 HG4297-HT4567\_at Transcriptional Coactivator Pc4  
 HG4334-HT4604\_s\_at Glycogenin  
 HG4557-HT4962\_at "Small Nuclear Ribonucleoprotein U1, Ismrp"  
 HG658-HT658\_f\_at "Major Histocompatibility Complex, Class I, C"  
 J00277\_at "J00277, class C, 20 probes, 20 in all \_J00277 3607-3724, Human (genomic clones lambda-[SK2-T2, HS578T]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence"  
 J02871\_s\_at "J02871, class A, 20 probes, 20 in J02871 1475-1931, Human lung cytochrome P450 (IV subfamily) B1 protein, complete cds"  
 J03040\_at "J03040, class A, 20 probes, 20 in J03040 1508-2000, Human SPARC/osteonectin mRNA, complete cds"  
 J03077\_s\_at "J03077, class A, 20 probes, 20 in J03077 2159-2692, Human co-beta glucosidase (proactivator) mRNA, complete cds"  
 J03258\_at "J03258, class A, 20 probes, 20 in J03258mRNA 4003-4561, Human vitamin D receptor mRNA, complete cds"  
 J03473\_at "J03473, class A, 20 probes, 20 in J03473mRNA 3212-3752, Human poly(ADP-ribose) synthetase mRNA, complete cds"  
 J03474\_at "J03474, class A, 20 probes, 20 in J03474cds 3-255, Human serum amyloid A gene, complete cds"  
 J03827\_at "J03827, class A, 20 probes, 20 in J03827 970-1438, Y box binding protein-1 (YB-1) mRNA"  
 J03909\_at "J03909, class A, 20 probes, 20 in J03909 461-995, Human gamma-interferon-inducible protein (IP-30) mRNA, complete cds"

J04056\_at J04056, class A, 20 probes, 20 in J04056 746-1118, Human carbonyl reductase mRNA, complete cds"  
 J04076\_at J04076, class A, 20 probes, 20 in J04076mRNA 2171-2651, Human early growth response 2 protein (EGR2) mRNA, complete cds"  
 J04080\_at J04080, class A, 20 probes, 20 in J04080mRNA 2136-2604, Human complement component C1r mRNA, complete cds"  
 J04093\_s\_at J04093, class A, 20 probes, 20 in J04093 1842-2342, Homo sapiens phenol UDP-glucuronosyltransferase (UDPGT) mRNA, complete cds"  
 J04130\_s\_at J04130, class A, 20 probes, 20 in J04130mRNA 87-634, Human activation (Act-2) mRNA, complete cds"  
 J04162\_at J04162, class A, 20 probes, 20 in J04162mRNA 1406-1940, Human leukocyte IgG receptor (Fc-gamma-R) mRNA, complete cds"  
 J04164\_at J04164, class A, 20 probes, 20 in J04164 366-804, Human interferon-inducible protein 27-Sep mRNA, complete cds"  
 J04177\_at J04177, class A, 20 probes, 20 in J04177 5773-6133, Human alpha-1 type XI collagen (COL11A1) mRNA, complete cds"  
 J04469\_at J04469, class B, 20 probes, 11 in J04469exon#9 11-173: 9 not in GB record, Human mitochondrial creatine kinase (CKMT) gene, complete cds"  
 J05070\_at J05070, class A, 20 probes, 20 in J05070 1805-2303, Human type IV collagenase mRNA, complete cds"  
 J05633\_at J05633, class A, 20 probes, 20 in J05633 2714-3008, Human integrin beta-5 subunit mRNA, complete cds"  
 K03430\_at K03430, class C, 20 probes, 20 in all K03430 414-853, Human complement C1q B-chain gene"  
 L00352\_at L00352, class A, 20 probes, 20 in L00352exon 1952-2492, Human low density lipoprotein receptor gene"  
 L05187\_at L05187, class C, 20 probes, 20 in all L05187 2284-2339, Homo sapiens small proline-rich protein 1 (SPRR1A) gene, complete cds"  
 L05779\_at L05779, class A, 20 probes, 20 in L05779 1535-2069, Human cytosolic epoxide hydrolase mRNA, complete cds"  
 L06797\_s\_at L06797, class A, 20 probes, 20 in L06797 1041-1599, Human (clone L5) orphan G protein-coupled receptor mRNA, complete cds"  
 L06895\_at L06895, class A, 20 probes, 20 in L06895 503-977, Homo sapiens antagonist of myc transcriptional activity (Mad) mRNA, complete cds"  
 L08895\_at L08895, class C, 20 probes, 20 in all L08895 3518-4059, Homo sapiens MADS/MEF2-family transcription factor (MEF2C) mRNA, complete cds"  
 L10373\_at L10373, class A, 20 probes, 20 in L10373 1311-1713, Human (clone CCG-B7) mRNA sequence"  
 L10386\_at L10386, class A, 20 probes, 20 in L10386 2036-2498, Homo sapiens transglutaminase E3 (TGASE3) mRNA, complete cds"  
 L10678\_at L10678, class A, 20 probes, 20 in L10678 1128-1650, Human profilin II mRNA, complete cds"  
 L10717\_at L10717, class A, 20 probes, 20 in L10717 6303-6332, Homo sapiens T cell-specific tyrosine kinase mRNA, complete cds"  
 L11370\_at L11370, class A, 20 probes, 20 in L11370 3486-4038, Human protocadherin 42 mRNA, complete cds for abbreviated PC42"  
 L11931\_at L11931, class A, 20 probes, 20 in L11931 1454-1644, Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds"  
 L12350\_at L12350, class A, 20 probes, 20 in L12350mRNA 5247-5721, Human thrombospondin 2 (THBS2) mRNA, complete cds"  
 L13286\_at L13286, class A, 20 probes, 20 in L13286 2671-3205, Human mitochondrial 1,25-dihydroxyvitamin D3 24-hydroxylase mRNA, complete cds"  
 L13329\_at L13329, class A, 20 probes, 20 in L13329exon 434-938, Homo sapiens iduronate-2-sulfatase (IDS) gene"  
 L13391\_at L13391, class A, 20 probes, 20 in L13391exon#5 265-808, Homo sapiens helix-loop-helix basic phosphoprotein (G0S8) gene, complete cds"  
 L13923\_at L13923, class A, 20 probes, 20 in L13923 9109-9601, Homo sapiens fibrillin mRNA, complete cds"  
 L14837\_at L14837, class A, 20 probes, 20 in L14837 7335-7839, Human tight junction (zonula occludens) protein ZO-1 mRNA, complete cds"  
 L19437\_at L19437, class A, 20 probes, 20 in L19437 857-1211, Human transaldolase mRNA containing transposable element, complete cds"  
 L19605\_at L19605, class A, 20 probes, 20 in L19605 1483-1915, Homo sapiens 56K autoantigen annexin XI gene mRNA, complete cds"  
 L19872\_at L19872, class A, 20 probes, 20 in L19872 4756-5059, Human AII-receptor mRNA, complete cds"  
 L20591\_at L20591, class B, 20 probes, 11 in L20591exon 1-295: 9 not in GB record, Human annexin III (ANX3) gene, alternative"  
 L23116\_at L23116, class A, 20 probes, 20 in L23116 3296-3644, Homo sapiens galactocerebrosidase (GALC) mRNA, complete cds"  
 L23808\_at L23808, class A, 20 probes, 20 in L23808 1297-1717, Human metalloproteinase (HME) mRNA, complete cds"  
 L24203\_at L24203, class A, 20 probes, 20 in L24203 2423-2891, Homo sapiens ataxia-telangiectasia group D-associated protein mRNA, complete cds"  
 L27560\_at L27560, class A, 20 probes, 20 in L27560mRNA 986-1262, Human insulin-like growth factor binding protein 5 (IGFBP5) mRNA"  
 L32179\_at L32179, class A, 20 probes, 20 in L32179mRNA 1028-1556, Human arylacetamide deacetylase mRNA, complete cds"  
 L33842\_mal\_at L33842, class A, 20 probes, 20 in L33842mRNA 1213-1639, Homo sapiens (clone FPE-7) type II inosine monophosphate dehydrogenase (IMPDH2) gene, complete cds"  
 exons 1-13, complete cds"  
 L33930\_s\_at L33930, class A, 20 probes, 20 in L33930 1504-2054, Homo sapiens CD24 signal transducer mRNA, complete cds and 3' region"

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M29064\_at "M29064, class A, 20 probes, 20 in M29064 1225-1657, Human hnRNP B1 protein mRNA"  
 M29540\_at "M29540, class A, 20 probes, 20 in M29540 2616-2949, Human carcinoembryonic antigen mRNA (CEA), complete cds"  
 M30257\_s\_at "M30257, class A, 20 probes, 20 in M30257 2214-2709, Human vascular cell adhesion molecule 1 mRNA, complete cds"  
 M30818\_at "M30818, class A, 20 probes, 20 in M30818mRNA 2384-2888, Human interferon-induced cellular resistance mediator protein (MxB) mRNA, complete cds"  
 M31551\_s\_at "M31551, class C, 20 probes, 20 in all\_M31551 576-1134, Human urokinase inhibitor (PAL-2) gene"  
 M31627\_at "M31627, class A, 20 probes, 20 in M31627 1191-1725, Human X box binding protein-1 (XBP-1) mRNA, complete cds"  
 M31642\_at "M31642, class A, 20 probes, 20 in M31642mRNA 802-1288, Human hypoxanthine phosphoribosyltransferase (HPRT) mRNA, complete cds"  
 M31994\_at "M31994, class C, 20 probes, 20 in all\_M31994 117-538, Human cytosolic aldehyde dehydrogenase (ALDH1) gene"  
 M32011\_at "M32011, class A, 20 probes, 20 in M32011mRNA 1623-2157, Human neutrophil oxidase factor (p67-phox) mRNA, complete cds"  
 M32402\_at "M32402, class A, 20 probes, 20 in M32402mRNA 1851-2253, Human placental protein (PP1) mRNA, complete cds"  
 M33764\_at "M33764, class B, 20 probes, 12 in M33764cds 1158-1350, 8 in reverseSequence, 7989-8235, Human ornithine decarboxylase gene, complete cds"  
 M33882\_at "M33882, class A, 20 probes, 20 in M33882 2348-2762, Human p78 protein mRNA, complete cds"  
 M34057\_at "M34057, class A, 20 probes, 20 in M34057 4720-5044, Human transforming growth factor-beta 1 binding protein mRNA, complete cds"  
 M34309\_at "M34309, class A, 20 probes, 20 in M34309 4410-4836, Human epidermal growth factor receptor (HER3) mRNA, complete cds"  
 M34423\_at "M34423, class A, 20 probes, 20 in M34423 1856-2312, Human beta-galactosidase (GLB1) mRNA, complete cds"  
 M34516\_r\_at "M34516, class C, 11 probes, 11 in all\_M34516 426-469, Human omega light chain protein 14.1 (Ig lambda chain related) gene"  
 M35878\_at "M35878, class A, 20 probes, 20 in M35878exon#4 1993-2443, Human insulin-like growth factor-binding protein-3 gene, complete cds, clone HL1006d"  
 M36341\_at "M36341, class A, 20 probes, 20 in M36341 912-1458, Human ADP-ribosylation factor 4 (ARF4) mRNA, complete cds"  
 M37721\_at "M37721, class A, 20 probes, 20 in M37721 3297-3705, Human peptidylglycine alpha-amidating monooxygenase mRNA, complete cds"  
 M37766\_at "M37766, class A, 20 probes, 20 in M37766 475-955, Human MEM-102 glycoprotein mRNA, complete cds"  
 M55542\_at "M55542, class A, 20 probes, 20 in M55542mRNA 2310-2802, Human guanylate binding protein isoform I (GBP-2) mRNA, complete cds"  
 M55998\_s\_at "M55998, class C, 20 probes, 20 in all\_M55998 2-265, Human alpha-1 collagen type I gene, 3' end"  
 M57710\_at "M57710, class A, 20 probes, 20 in M57710 355-865, Human IgE-binding protein (epsilon-BP) mRNA, complete cds"  
 M57731\_s\_at "M57731, class A, 20 probes, 20 in M57731mRNA 617-1032, Human gro-beta mRNA, complete cds"  
 M59465\_at "M59465, class A, 20 probes, 20 in M59465 3867-4341, Human tumor necrosis factor alpha inducible protein A20 mRNA, complete cds"  
 M61853\_at "M61853, class C, 20 probes, 20 in all\_M61853 1735-2240, Human cytochrome P450C18 (CYP2C18) mRNA, clone 6b"  
 M61855\_at "M61855, class C, 20 probes, 20 in all\_M61855 1535-1714, Human cytochrome P450C9 (CYP2C9) mRNA, clone 25"  
 M61906\_at "M61906, class A, 20 probes, 20 in M61906 2813-3326, Human P13-kinase associated p85 mRNA sequence"  
 M62982\_at "M62982, class A, 20 probes, 20 in M62982 1795-2299, Human arachidonate 12-lipoxygenase mRNA, complete cds"  
 M63256\_at "M63256, class A, 20 probes, 20 in M63256 1975-2497, Human major Yo paraneoplastic antigen (CDR2) mRNA, 3' end"  
 M63438\_at "M63438, class A, 17 probes, 17 in M63438 794-1195, Human Ig rearranged gamma chain mRNA, V-J-C region and complete cds"  
 M63835\_at "M63835, class A, 20 probes, 20 in M63835mRNA 896-1388, Human IgG Fc receptor 1 gene"  
 M64082\_at "M64082, class A, 20 probes, 20 in M64082 1605-2055, Human flavin-containing monooxygenase (FMO1) mRNA, complete cds"  
 M64929\_at "M64929, class A, 20 probes, 20 in M64929 1572-2100, Human novel growth factor receptor mRNA, 3' cds"  
 M65292\_s\_at "M65292, class A, 20 probes, 20 in M65292 667-1202, Human factor H homologue mRNA, complete cds"  
 M69177\_at "M69177, class A, 20 probes, 20 in M69177 1992-2436, Human monoamine oxidase B (MAOB) mRNA, complete cds"  
 M69181\_at "M69181, class A, 20 probes, 20 in M69181 6995-7523, Human nonmuscle myosin heavy chain-B (MYH10) mRNA, partial cds"  
 M76482\_at "M76482, class A, 20 probes, 20 in M76482 2855-3251, Human 130-kD pemphigus vulgaris antigen mRNA, complete cds"  
 M77349\_at "M77349, class A, 20 probes, 20 in M77349 2102-2642, Human transforming growth factor-beta induced gene product (BIGH3) mRNA, complete cds"  
 M81182\_s\_at "M81182, class A, 20 probes, 20 in M81182 2831-3314, Homo sapiens peroxisomal 70 kD membrane protein mRNA, complete cds"

M83186\_at "M83186, class A, 20 probes, 20 in M83186 103-316, Human cytochrome c oxidase subunit VIIa (COX7A) muscle isoform mRNA, complete cds"  
 M83667\_mal\_s\_at "M83667, class A, 20 probes, 20 in M83667mRNA 713-1143, Human NF-IL6-beta protein mRNA, complete cds"  
 M83822\_at "M83822, class A, 20 probes, 20 in M83822 6791-7253, Human beige-like protein (BGL) mRNA, partial cds"  
 M86699\_at "M86699, class A, 20 probes, 20 in M86699 3355-3787, Human kinase (TTK) mRNA, complete cds"  
 M87789\_s\_at "M87789, class A, 20 probes, 20 in M87789 1021-1512, Human (hybridoma H210) anti-hepatitis A IgG variable region, constant region, complementarity-determining regions mRNA, complete cds"  
 M88458\_at "M88458, class A, 20 probes, 20 in M88458 585-1095, Human ELP-1 mRNA sequence"  
 M93036\_at "M93036, class A, 20 probes, 18 in M93036mRNA 987-1353: 2 in reverseSequence, 527-545, Human (clone 21726) carcinoma-associated antigen GA733-2 (GA733-2) mRNA"  
 M93056\_at "M93056, class A, 20 probes, 20 in M93056 859-1273, Human monocyte/neutrophil elastase inhibitor mRNA sequence"  
 M93221\_at "M93221, class A, 20 probes, 20 in M93221mRNA 4618-5110, Human macrophage mannose receptor (MRC1) gene"  
 M93426\_at "M93426, class A, 20 probes, 20 in M93426 7455-7845, Human protein tyrosine phosphatase zeta-polypeptide (PTPRZ) mRNA, complete cds"  
 M96740\_at "M96740, class A, 20 probes, 20 in M96740 2014-2476, Human NSCL-2 gene sequence"  
 M97935\_s\_at "M97935, class A, 20 probes, 20 in M97935 3412-3886, Human transcription factor ISGF-3 mRNA sequence"  
 M97936\_at "M97936, class A, 20 probes, 20 in M97936 2354-2564, Human transcription factor ISGF-3 mRNA sequence"  
 M98447\_mal\_at "M98447, class A, 20 probes, 20 in M98447mRNA 2256-2670, H.sapiens keratinocyte transglutaminase gene, complete cds"  
 M98776\_mal\_at "M98776, class A, 20 probes, 20 in M98776mRNA 1864-2266, Human keratin 1 gene, complete cds"  
 S45630\_at "S45630, class A, 20 probes, 20 in S45630 108-612, alpha B-crystallin=Rosenthal fiber component [human, glioma cell line, mRNA, 691 nt]"  
 S54005\_s\_at "S54005, class A, 20 probes, 20 in S54005 2-197, thymosin beta-10 [human, metastatic melanoma cell line, mRNA, 453 nt]"  
 S59049\_at "S59049, class A, 20 probes, 20 in S59049 786-1314, BL34=B cell activation gene [human, mRNA, 1398 nt]"  
 S62539\_at "S62539, class A, 20 probes, 20 in S62539 5366-5756, insulin receptor substrate-1 [human, skeletal muscle, mRNA, 5828 nt]"  
 S67156\_at "S67156, class A, 20 probes, 20 in S67156 876-1368, ASP=aspartoacylase [human, kidney, mRNA, 1435 nt]"  
 S68805\_at "S68805, class A, 20 probes, 20 in S68805 1972-2305, L-arginine:glycine amidinotransferase [human, kidney carcinoma cells, mRNA, 2330 nt]"  
 S69232\_at "S69232, class A, 20 probes, 20 in S69232 1584-1992, electron transfer flavoprotein-ubiquinone oxidoreductase [human, fetal liver, mRNA, 2124 nt]"  
 S73591\_at "S73591, class A, 20 probes, 20 in S73591 2169-2649, brain-expressed HHCPA78 homolog [human, HL-60 acute promyelocytic leukemia cells, mRNA, 2704 nt]"  
 S74017\_at "S74017, class A, 20 probes, 20 in S74017 1721-2213, Nrf2=NF-E2-like basic leucine zipper transcriptional activator [human, hemin-induced K562 cells, mRNA, 2304 nt]"  
 S74728\_at "S74728, class A, 20 probes, 20 in S74728 1245-1773, antiqum=26g turgor protein homolog [human, kidney, mRNA, 1809 nt]"  
 S78187\_at "S78187, class A, 20 probes, 20 in S78187 2548-3064, CDC25Hu2=cdc25+ homolog [human, mRNA, 3118 nt]"  
 S78569\_at "S78569, class A, 20 probes, 20 in S78569 5723-6161, laminin alpha 4 chain [human, fetal lung, mRNA, 6204 nt]"  
 S82597\_mal\_s\_at "S82597, class A, 20 probes, 20 in S82597mRNA 9-507, Description: UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase gene extracted from UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase/GalNAc-transferase {3' region, exon 11} [human, placenta]"  
 U02020\_at "U02020, class C, 20 probes, 20 in all\_U02020 1985-2352, Human pre-B cell enhancing factor (PBEF) mRNA, complete cds"  
 U02556\_at "U02556, class A, 20 probes, 20 in U02556 1579-2101, Human RP3 mRNA, complete cds"  
 U03272\_at "U03272, class A, 20 probes, 20 in U03272 9619-10081, Human fibrillin-2 mRNA, complete cds"  
 U04898\_at "U04898, class A, 20 probes, 20 in U04898 1421-1877, Human orphan hormone nuclear receptor RORalpha2 mRNA, complete cds"  
 U05861\_at "U05861, class B, 20 probes, 15 in U05861 exon 50-243: 5 not in GB record, Human hepatic dihydrodiol dehydrogenase gene"  
 U06643\_s\_at "U06643, class A, 19 probes, 19 in U06643 71-463, Human keratinocyte lectin 14 (HKL-14) mRNA, complete cds."  
 U07919\_at "U07919, class A, 20 probes, 20 in U07919 2973-3399, Human aldehyde dehydrogenase 6 mRNA, complete cds"  
 U09278\_at "U09278, class A, 20 probes, 20 in U09278 2285-2735, Human fibroblast activation protein mRNA, complete cds"  
 U09578\_at "U09578, class A, 20 probes, 20 in U09578 2012-2456, Human MAPKAP kinase (3pK) mRNA, complete cds"



U09770\_at "U09770, class A, 20 probes, 20 in U09770 61-391, Human cysteine-rich heart protein (hCRHP) mRNA, complete cds"  
 U12767\_at "U12767, class A, 20 probes, 20 in U12767 4598-4922, Human mitogen induced nuclear orphan receptor (MINOR) mRNA, complete cds"  
 U13737\_at "U13737, class A, 20 probes, 20 in U13737 2046-2556, Human cysteine protease CPP32 isoform alpha mRNA, complete cds"  
 U14518\_at "U14518, class A, 20 probes, 20 in U14518 859-1315, Human centromere protein-A (CENP-A) mRNA, complete cds"  
 U14970\_at "U14970, class A, 20 probes, 20 in U14970 122-656, Human ribosomal protein S5 mRNA, complete cds"  
 U15932\_at "U15932, class A, 20 probes, 20 in U15932 1928-2294, Human dual-specificity protein phosphatase mRNA, complete cds"  
 U16306\_at "U16306, class A, 20 probes, 20 in U16306 10722-11142, Human chondroitin sulfate proteoglycan versican V0 splice-variant precursor peptide mRNA, complete cds"  
 U16799\_s\_at "U16799, class A, 20 probes, 20 in U16799 865-1419, Human Na,K-ATPase beta-1 subunit mRNA, complete cds"  
 U17077\_at "U17077, class A, 20 probes, 20 in U17077 1716-2190, Human BENE mRNA, partial cds"  
 U18062\_at "U18062, class A, 20 probes, 20 in U18062 1678-2152, Human TFIIID subunit TAFII55 (TAFII55) mRNA, complete cds"  
 U18934\_at "U18934, class A, 20 probes, 20 in U18934 4229-4311, Human receptor tyrosine kinase (DTK) mRNA, complete cds"  
 U20158\_at "U20158, class A, 20 probes, 20 in U20158 1551-1911, Human 76 kDa tyrosine phosphoprotein SLP-76 mRNA, complete cds"  
 U20758\_at "U20758, class A, 20 probes, 20 in U20758 mRNA 885-1437, Human osteopontin gene, complete cds"  
 U21128\_at "U21128, class A, 20 probes, 20 in U21128 1254-1632, Human lumican mRNA, complete cds"  
 U23942\_at "U23942, class A, 20 probes, 20 in U23942 2811-3129, Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds"  
 U24166\_at "U24166, class A, 20 probes, 20 in U24166 2107-2395, Human EBI1 mRNA, complete cds"  
 U24577\_at "U24577, class A, 20 probes, 20 in U24577 1182-1512, Human LDL-phospholipase A2 mRNA, complete cds"  
 U25182\_at "U25182, class A, 20 probes, 20 in U25182 350-860, Human antioxidant enzyme AOE37-2 mRNA, complete cds"  
 U26312\_s\_at "U26312, class A, 20 probes, 20 in U26312 166-686, Human heterochromatin protein HP1Hs-gamma mRNA, complete cds"  
 U27326\_s\_at "U27326, class A, 20 probes, 20 in U27326 1666-2123, Human alpha (1,3/1,4) fucosyltransferase (FUT3) mRNA, major transcript I, complete cds"  
 U27333\_s\_at "U27333, class C, 9 probes, 9 in all U27333 2701-2753, Human alpha (1,3) fucosyltransferase (FUT6) mRNA, major transcript I, complete cds"  
 U28488\_s\_at "U28488, class A, 20 probes, 20 in U28488 1344-1847, Human putative G protein-coupled receptor (AZ3B) mRNA, complete cds"  
 U31201\_cds2\_s\_at "U31201, class A, 20 probes, 20 in U31201 mRNA 4592-5106, Human laminin gamma2 chain gene (LAMC2)"  
 U31556\_at "U31556, class A, 20 probes, 20 in U31556 1445-1679, Human transcription factor E2F-5 mRNA, complete cds"  
 U32849\_at "U32849, class A, 20 probes, 20 in U32849 867-1383, Human Hou mRNA, complete cds"  
 U34252\_at "U34252, class A, 20 probes, 20 in U34252 2177-2579, Human gamma-aminobutyraldehyde dehydrogenase mRNA, complete cds"  
 U37518\_at "U37518, class A, 20 probes, 20 in U37518 1162-1390, Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds"  
 U37519\_at "U37519, class A, 20 probes, 20 in U37519 2304-2784, Human aldehyde dehydrogenase (ALDH8) mRNA, complete cds"  
 U38545\_at "U38545, class A, 20 probes, 20 in U38545 3056-3578, Human ARF-activated phosphatidylcholine-specific phospholipase D1a (hPLD1) mRNA, complete cds"  
 U39318\_at "U39318, class A, 20 probes, 20 in U39318 159-675, Human E2 ubiquitin conjugating enzyme UbcH5C (UBCH5C) mRNA, complete cds"  
 U40622\_at "U40622, class A, 20 probes, 20 in U40622 999-1449, Human XRCC4 mRNA, complete cds"  
 U41060\_at "U41060, class A, 20 probes, 20 in U41060 2936-3416, Human breast cancer, estrogen regulated LIV-1 protein (LIV-1) mRNA, partial cds"  
 U43944\_at "U43944, class C, 20 probes, 20 in U43944 1705-1978, Human breast cancer cytosolic NADP(+)-dependent malic enzyme mRNA, partial cds"  
 U46499\_at "U46499, class A, 20 probes, 20 in U46499 3317-3863, Human microsomal glutathione transferase (GSTI2) gene, 5' sequence"  
 U46689\_at "U46689, class A, 20 probes, 20 in U46689 mRNA 84-480, Human cystatin B gene, complete cds"  
 U46692\_at "U46692, class A, 20 probes, 20 in U46692 mRNA 3326-3867, Human receptor tyrosine kinase DDR gene, complete cds"  
 U48705\_at "U48705, class A, 20 probes, 20 in U48705 mRNA 3326-3867, Human receptor tyrosine kinase DDR gene, complete cds"  
 U49114\_at "U49114, class A, 20 probes, 20 in U49114 2196-2700, Human prohormone convertase 5 precursor (PC5) mRNA, partial cds"

U50648_s_at	"U50648, class A, 20 probes, 20 in U50648mRNA 2211-2751, Human interferon-inducible RNA-dependent protein kinase (Pkr) gene"
U53446_at	"U53446, class A, 20 probes, 20 in U53446 2680-3220, Human mitogen-responsive phosphoprotein DOC-2 mRNA, complete cds"
U53506_at	"U53506, class A, 20 probes, 20 in U53506 1344-1836, Human type II iodothyronine deiodinase mRNA, complete cds"
U55206_at	"U55206, class A, 20 probes, 18 in U55206 790-1222: 2 not in GB record, Human gamma-glutamyl hydrolase (hGH) mRNA, complete cds"
U56814_at	"U56814, class A, 20 probes, 20 in U56814 495-957, Human DNase I homologous protein (DHP2) mRNA, complete cds"
U57721_at	"U57721, class A, 20 probes, 20 in U57721 1126-1588, Human L-lysine hydrolase mRNA, complete cds"
U59877_s_at	"U59877, class A, 20 probes, 20 in U59877 295-750, Human low-Mr GTP-binding protein (RAB31) mRNA, complete cds"
U60060_at	"U60060, class A, 20 probes, 20 in U60060 1090-1540, Human FEZ1 mRNA, complete cds"
U60115_at	"U60115, class A, 20 probes, 20 in U60115 1863-2211, Human skeletal muscle LIM-protein SLIM1 mRNA, complete cds"
U60808_s_at	"U60808, class A, 20 probes, 20 in U60808 1423-2000, Human CDP-diacylglycerol synthase (CDS) mRNA, complete cds"
U62800_at	"U62800, class A, 20 probes, 20 in U62800 181-535, Human cystatin M (CST6) mRNA, complete cds"
U63743_at	"U63743, class A, 20 probes, 20 in U63743 2187-2715, Human mitotic centromere-associated kinesin mRNA, complete cds"
U65932_at	"U65932, class A, 20 probes, 20 in U65932 1244-1634, Human extracellular matrix protein 1 (ECM1) mRNA, complete cds"
U67122_s_at	"U67122, class A, 20 probes, 20 in U67122 469-728, Human ubiquitin-related protein SUMO-1 mRNA, complete cds"
U67784_at	"U67784, class A, 20 probes, 20 in U67784 1106-1640, Human orphan G protein-coupled receptor (RDC1) mRNA, partial cds"
U67963_at	"U67963, class A, 20 probes, 20 in U67963 590-1148, Human lysophospholipase homolog (HU-K5) mRNA, complete cds"
U68142_at	"U68142, class A, 20 probes, 20 in U68142 1372-1900, Human RalGDS-like 2 (RGL2) mRNA, partial cds"
U69961_at	"U69961, class A, 20 probes, 20 in U69961 1565-1997, Human solushin (RGS) mRNA, complete cds"
U71207_at	"U71207, class A, 20 probes, 20 in U71207 1846-2224, Human eyes absent homolog (Eab1) mRNA, complete cds"
U72621_at	"U72621, class A, 20 probes, 20 in U72621 2581-3145, Human LOT1 mRNA, complete cds"
U73377_at	"U73377, class A, 20 probes, 20 in U73377 3059-3363, Human p66shc (SHC) mRNA, complete cds"
U73960_at	"U73960, class A, 20 probes, 20 in U73960 566-1022, Human ADP-ribosylation factor-like protein 4 mRNA, complete cds"
U77604_at	"U77604, class A, 20 probes, 20 in U77604 13-493, Human microsomal glutathione S-transferase (GST-II) mRNA, complete cds"
U78525_at	"U78525, class A, 20 probes, 20 in U78525 2480-2942, Human eukaryotic translation initiation factor (eIF3) mRNA, complete cds"
U82130_at	"U82130, class A, 20 probes, 20 in U82130 1151-1451, Human tumor susceptibility protein (TSG101) mRNA, complete cds"
U83115_at	"U83115, class A, 20 probes, 20 in U83115 6327-6753, Human non-lens beta gamma-crystallin like protein (AIM1) mRNA, partial cds"
U84573_at	"U84573, class A, 20 probes, 20 in U84573 2882-3422, Homo sapiens lysyl hydroxylase isoform 2 (PLOD2) mRNA, complete cds"
U85658_at	"U85658, class A, 20 probes, 20 in U85658 2310-2736, Human transcription factor ERF-1 mRNA, complete cds"
U85707_at	"U85707, class A, 20 probes, 20 in U85707 1922-2426, Human leukemogenic homolog protein (MEIS1) mRNA, complete cds"
U88964_at	"U88964, class A, 20 probes, 20 in U88964 130-568, Human HEM45 mRNA, complete cds"
U89942_at	"U89942, class A, 20 probes, 20 in U89942 2867-3383, Human lysyl oxidase-related protein (WS9-14) mRNA, complete cds"
U90546_at	"U90546, class B, 12 probes, 12 in U90546 1301-1344, Human butyrophilin (BTF4) mRNA, complete cds, Human butyrophilin (BTF4) mRNA, complete cds"
U90902_at	"U90902, class A, 20 probes, 20 in U90902 939-1407, Human clone 23612 mRNA sequence"
U90904_at	"U90904, class A, 20 probes, 20 in U90904 1102-1342, Human clone 23773 mRNA sequence"
U96915_at	"U96915, class A, 20 probes, 20 in U96915 165-693, Homo sapiens sin3 associated polypeptide p18 (SAP18) mRNA, complete cds"
V00536_rnal_at	"V00536, class A, 20 probes, 20 in V00536mRNA 811-1135, IFNG gene extracted from Human immune interferon (IFN-gamma) gene"
V00563_at	"V00563, class A, 20 probes, 20 in V00563mRNA 19-127, Human gene for immunoglobulin mu, part of exon 8."
X01060_at	"X01060, class C, 20 probes, 20 in all_X01060 4427-4986, Human mRNA for transferrin receptor"
X02419_rnal_s_at	"X02419, class A, 20 probes, 20 in X02419mRNA 1754-2210, H.sapiens uPA gene"
X02530_at	"X02530, class C, 20 probes, 20 in all_X02530 571-1118, Human mRNA for gamma-interferon inducible early response gene (with homology to platelet proteins)"

X02761\_s at "X02761, class C, 20 probes, 20 in all\_X02761 7082-7646, Human mRNA for fibronectin (FN precursor)"  
 X02875\_s at "X02875, class C, 20 probes, 20 in all\_X02875 158-628, Human mRNA (3' -fragment) for (2' -5') oligo A synthetase E (1.8 kb RNA)"  
 X04470\_s at "X04470, class B, 19 probes, 15 in X04470cds 24-374: 4 in reverseSequence, 408-495, Human mRNA for antileukoprotease (ALP) from cervix uterus"  
 X04602\_s at "X04602, class C, 20 probes, 20 in all\_X04602 920-1086, Human mRNA for interleukin BSF-2 (B-cell differentiation factor)"  
 X05232\_at "X05232, class C, 20 probes, 20 in all\_X05232 1530-1771, Human mRNA for stromelysin"  
 X05610\_at "X05610, class C, 20 probes, 20 in all\_X05610 1701-2098, Human mRNA for type IV collagen alpha-2 chain"  
 X06700\_s at "X06700, class C, 20 probes, 20 in all\_X06700 1946-2466, Human mRNA 3' region for pro-alpha1(III) collagen"  
 X06948\_at "X06948, class B, 20 probes, 12 in X06948cds 482-680: 8 in reverseSequence, 918-1146, Human mRNA for high affinity IgE receptor alpha-subunit (FcERI)"  
 X07109\_at "X07109, class C, 20 probes, 20 in all\_X07109 2732-3303, Human mRNA for protein kinase C (PKC) type beta II"  
 X07438\_s at "X07438, class A, 19 probes, 19 in X07438exon#2 11-166, Human DNA for cellular retinol binding protein (CRBP) exons 3 and 4 /gb=X07438 /ntype=DNA /annot=exon"  
 X07695\_at "X07695, class C, 20 probes, 20 in all\_X07695 1175-1722, Human mRNA for cytokeratin 4 C-terminal region"  
 X07696\_at "X07696, class C, 20 probes, 20 in all\_X07696 1300-1685, Human mRNA for cytokeratin 15"  
 X07834\_at "X07834, class C, 20 probes, 20 in all\_X07834 515-1026, Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)"  
 X12451\_at "X12451, class A, 20 probes, 20 in X12451mrna 974-1496, Human mRNA for pro-cathepsin L (major excreted protein MEP)"  
 X13794\_rnal\_at "X13794, class A, 20 probes, 20 in X13794mrna 713-1229, H.sapiens lactate dehydrogenase B gene exon 1 and 2 (EC 1.1.1.27) (and joined CDS)"  
 X13839\_at "X13839, class C, 20 probes, 20 in all\_X13839 768-1300, Human mRNA for vascular smooth muscle alpha-actin"  
 X14008\_rnal\_f\_at "X14008, class A, 20 probes, 20 in X14008mrna 926-1433, Human lysozyme gene (EC 3.2.1.17)"  
 X14813\_at "X14813, class C, 20 probes, 20 in all\_X14813 1077-1618, Human liver mRNA for 3-oxoacyl-CoA thiolase"  
 X15183\_at "X15183, class C, 20 probes, 20 in all\_X15183 2479-2894, Human mRNA for 90-kDa heat-shock protein"  
 X15187\_at "X15187, class B, 20 probes, 10 in X15187cds 2089-2380: 10 in reverseSequence, 2521-2737, Human tral mRNA for human homologue of murine tumor rejection antigen gp96"  
 X15414\_at "X15414, class C, 20 probes, 20 in all\_X15414 844-1349, Human mRNA for aldose reductase (EC 1.1.1.2)"  
 X16354\_at "X16354, class C, 20 probes, 20 in all\_X16354 2895-3400, Human mRNA for transmembrane carcinoembryonic antigen BGPα (formerly TM1-CEA)"  
 X16396\_at "X16396, class C, 20 probes, 20 in all\_X16396 1543-2102, Human mRNA for NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase (EC 1.5.1.15)"  
 X16662\_at "X16662, class C, 20 probes, 20 in all\_X16662 1399-1916, Human mRNA for vascular anticoagulant-beta (VAC-beta)"  
 X17042\_at "X17042, class C, 20 probes, 20 in all\_X17042 689-1158, Human mRNA for hematopoietic proteoglycan core protein"  
 X51408\_at "X51408, class C, 20 probes, 20 in all\_X51408 1626-2017, Human mRNA for n-chimaerin"  
 X51420\_at "X51420, class C, 20 probes, 20 in all\_X51420 2264-2781, Human mRNA for tyrosinase-related protein"  
 X51441\_at "X51441, class B, 12 probes, 11 in X51441cds 28-65: 1 in reverseSequence, 228, Human mRNA for serum amyloid A (SAA) protein partial, clone pAS3-alpha, Human mRNA for serum amyloid A (SAA) protein partial, clone pAS3-alpha"  
 X51441\_s at "X51441, class C, 8 probes, 8 in all\_X51441 55-90, Human mRNA for serum amyloid A (SAA) protein partial, clone pAS3-alpha"  
 X51521\_at "X51521, class C, 20 probes, 20 in all\_X51521 2653-3026, Human mRNA for ezrin"  
 X51801\_at "X51801, class C, 20 probes, 20 in all\_X51801 1415-1824, Human OP-1 mRNA for osteogenic protein"  
 X52022\_at "X52022, class A, 20 probes, 20 in X52022 9941-10349, H.sapiens RNA for type VI collagen alpha3 chain"  
 X52426\_s at "X52426, class C, 20 probes, 20 in all\_X52426 1139-1665, H.sapiens mRNA for cytokeratin 13"  
 X53296\_s at "X53296, class C, 20 probes, 20 in all\_X53296 1099-1657, H.sapiens mRNA for IRAP"  
 X54489\_rnal\_at "X54489, class A, 20 probes, 20 in X54489mrna 660-1034, Human gene for melanoma growth stimulatory activity (MGSA)"  
 X54867\_s at "X54867, class A, 20 probes, 20 in X54867mrna 783-1293, Human mRNA for NKG2-A gene"

X54925\_at "X54925, class C, 20 probes, 20 in all\_X54925 1537-1904, H.sapiens mRNA for type I interstitial collagenase"  
 X54941\_at "X54941, class C, 20 probes, 20 in all\_X54941 194-687, H.sapiens cks1 mRNA for Cks1 protein homologue"  
 X56654\_at "X56654, class A, 20 probes, 20 in X56654mRNA 3221-3641, Human DSG1 mRNA for desmoglein type 1"  
 X57522\_at "X57522, class C, 20 probes, 20 in all\_X57522 2229-2788, H.sapiens RING4 cDNA"  
 X57579\_s\_at "X57579, class A, 20 probes, 18 in X57579exon 545-840: 2 in reverseSequence, 1392-1555, H.sapiens activin beta-A subunit (exon 2)"  
 X59770\_at "X59770, class A, 20 probes, 20 in X59770mRNA 685-1213, H.sapiens IL-1R2 mRNA for type II interleukin-1 receptor, (cell line CB23)"  
 X59892\_at "X59892, class C, 20 probes, 20 in all\_X59892 2163-2542, H.sapiens mRNA for IFN-inducible gamma2 protein"  
 X61123\_at "X61123, class A, 20 probes, 20 in X61123mRNA 1212-1608, Human BTG1 mRNA"  
 X61970\_at "X61970, class A, 20 probes, 17 in X61970cds 299-677: 3 in reverseSequence, 758-860, H.sapiens mRNA for macropain subunit zeta"  
 X63629\_at "X63629, class C, 20 probes, 20 in all\_X63629 2582-3126, H.sapiens mRNA for p cadherin"  
 X64707\_at "X64707, class C, 20 probes, 20 in all\_X64707 401-888, H.sapiens BBC1 mRNA"  
 X65614\_at "X65614, class B, 20 probes, 10 in X65614cds 10-262, 10 in reverseSequence, 19-391, H.sapiens mRNA for calcium-binding protein S100P"  
 X65965\_s\_at "X65965, class A, 18 probes, 18 in X65965exon#1-2 32-94, H.sapiens SOD-2 gene for manganese superoxide dismutase. /gb=X65965 /ntype=DNA /annot=exon"  
 X66534\_at "X66534, class C, 20 probes, 20 in all\_X66534 2622-2953, H.sapiens soluble guanylate cyclase large subunit mRNA"  
 X67098\_at "X67098, class A, 20 probes, 20 in X67098exon#8 40-454, H.sapiens rTS alpha mRNA containing four open reading frames"  
 X67951\_at "X67951, class B, 20 probes, 10 in X67951cds 312-576: 10 in reverseSequence, 642-888, H.sapiens mRNA for proliferation-associated gene (pag)"  
 X68277\_at "X68277, class C, 20 probes, 20 in all\_X68277 1459-1952, H.sapiens CL 100 mRNA for protein tyrosine phosphatase"  
 X68742\_at "X68742, class C, 20 probes, 20 in all\_X68742 2942-3423, H.sapiens mRNA for integrin, alpha subunit"  
 X69141\_at "X69141, class C, 20 probes, 20 in all\_X69141 1444-1997, H.sapiens mRNA for squalene synthase"  
 X70476\_at "X70476, class A, 20 probes, 20 in X70476mRNA 2526-3024, H.sapiens subunit of coatomer complex"  
 X75252\_at "X75252, class C, 20 probes, 20 in all\_X75252 1083-1408, H.sapiens phosphatidylethanolamine binding protein mRNA"  
 X76029\_at "X76029, class B, 20 probes, 14 in X76029cds 141-453: 6 in reverseSequence, 636-756, H.sapiens mRNA for neuromedin U"  
 X76180\_at "X76180, class C, 20 probes, 20 in all\_X76180 2760-3115, H.sapiens mRNA for lung amiloride sensitive Na+ channel protein"  
 X76223\_s\_at "X76223, class A, 20 probes, 20 in X76223exon 2-540, H.sapiens MAL gene exon 4"  
 X76342\_at "X76342, class C, 20 probes, 20 in all\_X76342 1484-2019, H.sapiens ADH7 mRNA"  
 X76534\_at "X76534, class C, 20 probes, 20 in all\_X76534 2145-2614, H.sapiens NMB mRNA"  
 X76648\_at "X76648, class C, 20 probes, 20 in all\_X76648 338-777, H.sapiens mRNA for glutaredoxin"  
 X76732\_at "X76732, class B, 20 probes, 12 in X76732cds 975-1221: 6 in reverseSequence, 1464-1518: 2 not in GB record, H.sapiens NEFA protein mRNA, complete cds (DNA-binding leucine zipper protein, calcium-binding EF-hand protein, from acute lymphoblastic leukemia ce"  
 X77584\_at "X77584, class B, 20 probes, 14 in X77584cds 5-215: 6 in reverseSequence, 43-481, H.sapiens mRNA for ATL-derived factor/thiredoxin"  
 X78549\_at "X78549, class C, 20 probes, 20 in all\_X78549 1912-2186, H.sapiens brk mRNA for tyrosine kinase"  
 X78565\_at "X78565, class C, 20 probes, 20 in all\_X78565 6971-7512, H.sapiens mRNA for tenascin-C, 7560bp"  
 X78932\_at "X78932, class C, 20 probes, 20 in all\_X78932 421-976, H.sapiens HZF9 mRNA for zinc finger protein"  
 X82153\_at "X82153, class C, 20 probes, 20 in all\_X82153 1128-1615, H.sapiens mRNA for cathepsin O"  
 X82200\_at "X82200, class C, 20 probes, 20 in all\_X82200 2236-2801, H.sapiens Staf50 mRNA"  
 X82693\_at "X82693, class C, 20 probes, 20 in all\_X82693 134-681, H.sapiens mRNA for E48 antigen"  
 X85116\_mal\_s\_at "X85116, class C, 20 probes, 20 not in GB record, H.sapiens epb72 gene exon 1"  
 X85750\_at "X85750, class C, 20 probes, 20 in all\_X85750 1935-2500, H.sapiens mRNA for transcript associated with monocyte to macrophage differentiation"  
 X87212\_at "X87212, class C, 20 probes, 20 in all\_X87212 1273-1772, H.sapiens mRNA for cathepsin C"  
 X87241\_at "X87241, class C, 20 probes, 20 in all\_X87241 14353-14738, H.sapiens mRNA for hFat protein"  
 X91911\_s\_at "X91911, class A, 20 probes, 18 in X91911cds 321-711: 2 in reverseSequence, 912-950, H.sapiens mRNA for RTVP-1 protein"

X95240\_s\_at "X95240, class C, 20 probes, 20 in all\_X95240 1487-2056, H.sapiens mRNA for cysteine-rich secretory protein-3"  
 X96719\_at "X96719, class A, 20 probes, 16 in X96719cds 86-398: 4 in reverseSequence, 674-710, H.sapiens mRNA for AICL (activation-induced C-type lectin)"  
 X98311\_at "X98311, class C, 20 probes, 20 in all\_X98311 1901-2274, H.sapiens mRNA for carcinoembryonic antigen, CGM2"  
 Y00264\_at "Y00264, class C, 20 probes, 20 in all\_Y00264 2984-3321, Human mRNA for amyloid A4 precursor of Alzheimer discase"  
 Y00787\_s\_at "Y00787, class C, 20 probes, 20 in all\_Y00787 1314-1469, Human mRNA for MDNCF (monocyte-derived neutrophil chemotactic factor)"  
 Y00815\_at "Y00815, class C, 20 probes, 20 in all\_Y00815 7107-7684, Human mRNA for LCA-homolog, LAR protein (leukocyte antigen related)"  
 Y07759\_at "Y07759, class C, 20 probes, 20 in all\_Y07759 5956-6377, H.sapiens mRNA for myosin heavy chain 12"  
 Y07867\_at "Y07867, class B, 20 probes, 11 in Y07867cds 643-787: 9 in reverseSequence, 1087-1237, H.sapiens mRNA for Pirm, isolate 1"  
 Y07909\_at "Y07909, class C, 20 probes, 20 in all\_Y07909 2383-2774, H.sapiens mRNA for Progression Associated Protein"  
 Y09267\_at "Y09267, class A, 20 probes, 20 in Y09267 1148-1664, H.sapiens mRNA for flavin-containing monooxygenase 2 /gb=Y09267 /ntype=RNA"  
 Y09616\_at "Y09616, class C, 20 probes, 20 in all\_Y09616 1443-1948, H.sapiens mRNA for putative carboxylesterase"  
 Z15108\_at "Z15108, class C, 20 probes, 20 in all\_Z15108 1535-2130, H.sapiens mRNA for protein kinase C zeta"  
 Z19574\_mal\_at "Z19574, class A, 20 probes, 20 in Z19574mRNA 1039-1479, H.sapiens gene for cytokeatin 17"  
 Z23090\_at "Z23090, class A, 20 probes, 17 in Z23090cds 277-589: 3 in reverseSequence, 1086-1098, H.sapiens mRNA for 28 kDa heat shock protein"  
 Z24727\_at "Z24727, class C, 20 probes, 20 in all\_Z24727 1355-1569, H.sapiens tropomyosin isoform mRNA, complete CDS"  
 Z26491\_s\_at "Z26491, class A, 20 probes, 20 in Z26491exon#5 388-430, H.sapiens gene for catechol O-methyltransferase"  
 Z29083\_at "Z29083, class C, 20 probes, 20 in all\_Z29083 1644-2023, H.sapiens 5T4 gene for 5T4 Oncofetal antigen"  
 Z29574\_at "Z29574, class A, 20 probes, 17 in Z29574exon#3 1-373: 1 in reverseSequence, 3141: 2 not in GB record, Homo sapiens gene for BCMA peptide"  
 Z47087\_at "Z47087, class C, 20 probes, 20 in all\_Z47087 1065-1438, H.sapiens mRNA for RNA polymerase II elongation factor-like protein"  
 Z48042\_at "Z48042, class C, 20 probes, 20 in all\_Z48042 2679-3232, H.sapiens mRNA encoding GPI-anchored protein p137"  
 Z49148\_s\_at "Z49148, class A, 20 probes, 16 in Z49148cds 2-418: 4 in reverseSequence, 18-589, H.sapiens mRNA for ribosomal protein L29"  
 Z49194\_at "Z49194, class A, 20 probes, 20 in Z49194exon#5 1962-2256, H.sapiens mRNA for oct-binding factor"  
 Z74616\_s\_at "Z74616, class C, 20 probes, 20 in all\_Z74616 4470-4992, H.sapiens mRNA for prepro-alpha2(I) collagen."  
 Z84721\_cds2\_at "Z84721, class C, 20 probes, 20 in all\_Z84721 30317-34635, Human DNA sequence from cosmid GGI from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3 Contains alpha and zeta globin genes and ESTs, Human DNA sequence from cosm"